



Mohammed Ayaan

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Professional Summary

A results driven IT undergraduate ranked in the Top 5% globally on TryHackMe with proficient ability to spearhead complex projects, including a **Generative AI chatbot**, and internship experience in **Cybersecurity (VAPT)**. Certified in AI Fundamentals to apply a unique blend of technical and leadership skills to a role in AI engineering or cybersecurity.

Experience

Project Intern

Jun 2024 – Jul 2024

Indian Oil Corporation Limited

Chennai, India (On-site)

- Built a **role-based network monitoring tool** and resolved **IaaS proxy deployment** issues.
- Developed a responsive UI using **HTML, CSS, & JS** and handled database & configuration tasks.

VAPT Intern

Feb 2024 – May 2024

CyberWarriors, India

Remote

- Performed VAPT on web and network systems using tools and **custom Python scripts**.
- Strengthened skills in network automation, **secure coding**, and **threat detection**.

Frontend Developer Intern

Jan 2024 – Feb 2024

Externsclub Pvt Ltd

Bengaluru, India (Remote)

- Contributed to designing and building **dynamic websites** and web applications.
- Collaborated with the team to enhance user experience and functionality.

Cyber Security Intern

Dec 2023 – Jan 2024

YHills, India

Remote

- Identified system vulnerabilities and supported internal security audits.
- Used **Shell, SQL, and JavaScript** for scripting, analysis, and pentesting tasks.

Projects

Cross-Platform Automated Social Media Data Extraction Tool | *SIH (Oct 2024)*

Project Lead

- Led a team of 6 to automate social media data capture using **Selenium**.
- Improved data traceability and reduced **manual audit efforts by 90%**.

Biomedical RAG Chatbot | *Personal Project (Mar 2024)*

- Engineered a **GenAI RAG system** with a **BioMistral-7B LLM**, **LangChain**, and **Qdrant**.
- Deployed a **FastAPI REST API** serving verifiable, NLP responses to **mitigate model hallucination**.

DASHAI – AI Appointment Scheduler | *Smart India Hackathon (Nov 2022)*

Team Member

- Created a system to allocate doctor slots in real-time and reduce wait times by **50%**.
- Tech used: **HTML, CSS, JS** (frontend), **Python + SQLite** (backend).

Technical Skills

Languages: ☞ Java, ☞ Python, C, ☞ HTML, ☞ Alt CSS, ☞ JS, >_ Shell, ☞ SQL, ☞ React

Tools Technologies: Git, GitHub, VS Code, Visual Studio, XAMPP, MySQL, Figma






OS: Linux (Ubuntu), Windows **AI/ML:** Generative AI, Natural Language Processing, Scikit-learn

Add-ons: Software Development/Design, Code Review, Problem Solving, Analytical Thinking, SDLC

Soft Skills

Leadership, Project Management, Communication, Teamwork Collaboration, Problem-Solving, Adaptability, Time Management

Certifications

 Applied Generative AI Certification <i>Issued by Infosys Springboard</i>	August 11, 2025
<ul style="list-style-type: none">Completed intensive training on applied Generative AI, focusing on practical implementation and industry use-cases.	
 GenAI Certified Professional <i>Issued by Oracle</i>	July 29, 2024
<ul style="list-style-type: none">Covers foundational knowledge of Generative AI, large language models (LLMs), and their practical applications.	
 Junior Cyber Security Analyst <i>Issued by Cisco</i>	June 18, 2024
<ul style="list-style-type: none">Focuses on security monitoring, network intrusion analysis, and core cybersecurity operations (SecOps).	
 Data Science for Beginners <i>Issued by Nasscom</i>	December 19, 2023
<ul style="list-style-type: none">Introduces the fundamentals of the data science lifecycle, from data collection to modeling and insights.	
 Fundamentals of Artificial Intelligence <i>Issued by Accenture</i>	Date Not Provided
<ul style="list-style-type: none">Provides a strategic overview of AI concepts, machine learning principles, and their business impact.	

Education

Panimalar Engineering College <i>B.Tech - Information Technology [CGPA: 8.343 / 10]</i>	Thiruvallur, India Oct 2022 – Mar 2026
Don Bosco Matric. Hr. Sec. School <i>Higher Secondary Schooling</i>	Chennai, India Mar 2008 – Apr 2022

Awards Achievements

AI Geeks Community – Core Team (Sept 2025 - Present)
IEEE Vice Chair – PECSB (2023–Present)
IEEE YESIST12 – Coordinator (2025), Top Ambassador (2024)
IEEE WIE ILS 2024 – Publicity and Promotions Committee Member
Campus Organizer – Bits N’ Bytes Cybersecurity Education (Mar 2024 - Present)
Community Volunteer – CyberPentester Community (Sep 2022 - Present)
Crown Jewel of Excellence – Best Performer, IEEE Student Branch
6th Rank among 1096 participants at PECTEAM 2K23 International Conference
Led and organized 100+ events and workshops, collaborating with over 1200+ participants .

Languages

English Full professional proficiency	Hindi Professional working proficiency
French Elementary Proficiency	Tamil Native or Bilingual Proficiency

Interests

Technical: Applied AI LLMs, Ethical Hacking CTFs, Startup Culture, Open Source Development
Community Personal: Technology Communities (IEEE), Public Speaking, Badminton